

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: PCT/US04/41380

Source: PCT

Date Processed by STIC: 12-20-07

ENTERED



PCT

RAW SEQUENCE LISTING DATE: 12/20/2004
 PATENT APPLICATION: PCT/US04/41380 TIME: 15:37:41

Input Set : A:\Seqlist.txt
 Output Set: N:\CRF4\12202004\PU41380.raw

4 <110> APPLICANT: Williams, Richard B.
 6 <120> TITLE OF INVENTION: SYSTEM AND METHODS FOR NUCLEIC ACID AND
 7 POLYPEPTIDE SELECTION
 10 <130> FILE REFERENCE: PRONO.001BPC
 C--> 12 <140> CURRENT APPLICATION NUMBER: PCT/US04/41380
 C--> 12 <141> CURRENT FILING DATE: 2004-12-16
 12 <150> PRIOR APPLICATION NUMBER: 09/859,809
 13 <151> PRIOR FILING DATE: 2001-05-17
 15 <150> PRIOR APPLICATION NUMBER: 60/206,016
 16 <151> PRIOR FILING DATE: 2000-05-19
 18 <150> PRIOR APPLICATION NUMBER: 60/346,965
 19 <151> PRIOR FILING DATE: 2001-11-16
 21 <150> PRIOR APPLICATION NUMBER: 60/529,331
 22 <151> PRIOR FILING DATE: 2003-12-12
 24 <150> PRIOR APPLICATION NUMBER: PCT/US02/37103
 25 <151> PRIOR FILING DATE: 2002-11-18
 27 <150> PRIOR APPLICATION NUMBER: 10/847,087
 28 <151> PRIOR FILING DATE: 2004-05-17
 30 <150> PRIOR APPLICATION NUMBER: 60/625,707
 31 <151> PRIOR FILING DATE: 2004-11-05
 33 <150> PRIOR APPLICATION NUMBER: 10/847,484
 34 <151> PRIOR FILING DATE: 2004-05-17
 36 <160> NUMBER OF SEQ ID NOS: 33
 38 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 40 <210> SEQ ID NO: 1
 41 <211> LENGTH: 13
 42 <212> TYPE: RNA
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Precursor RNA for formation of psoralentated RNA;
 47 chemically synthesized fragment
 W--> 49 <221> NAME/KEY: modified base
 50 <222> LOCATION: (6)...(6)
 51 <223> OTHER INFORMATION: n=p
 W--> 53 <400> 1
 W--> 54 cuagancugg agg 13
 56 <210> SEQ ID NO: 2
 57 <211> LENGTH: 13
 58 <212> TYPE: RNA
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: Furan sided psoralentated RNA fragment; chemically
 63 synthesized

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W--> 65 <221> NAME/KEY: misc_feature
 66 <222> LOCATION: (2)...(3)
 67 <223> OTHER INFORMATION: psoralen bound to UA
 W--> 69 <221> modified_base
 70 <222> LOCATION: (6)...(6)
 71 <223> OTHER INFORMATION: n=p
 W--> 73 <400> 2
 W--> 74 cuagancugg agg 13
 76 <210> SEQ ID NO: 3
 77 <211> LENGTH: 23
 78 <212> TYPE: RNA
 79 <213> ORGANISM: Artificial Sequence
 81 <220> FEATURE:
 82 <223> OTHER INFORMATION: Chemically synthesized precursor RNA for
 psoralentated RNA fragment
 W--> 85 <221> NAME/KEY: misc_feature
 86 <222> LOCATION: (1)...(5)
 87 <223> OTHER INFORMATION: n=g, a, u, or c
 W--> 89 <221> misc_feature
 90 <222> LOCATION: (19)...(23)
 91 <223> OTHER INFORMATION: n=g, a, u, or c
 W--> 93 <400> 3
 W--> 94 nnnnnccucc agaucuagnn nnn 23
 96 <210> SEQ ID NO: 4
 97 <211> LENGTH: 23
 98 <212> TYPE: RNA
 99 <213> ORGANISM: Artificial Sequence
 101 <220> FEATURE:
 102 <223> OTHER INFORMATION: Chemically synthesized psoralentated RNA fragment
 W--> 104 <221> NAME/KEY: misc_feature
 105 <222> LOCATION: (16)...(17)
 106 <223> OTHER INFORMATION: psoralen bound to UA
 W--> 108 <221> misc_feature
 109 <222> LOCATION: (1)...(5)
 110 <223> OTHER INFORMATION: n=g, a, u, or c
 W--> 112 <221> misc_feature
 113 <222> LOCATION: (19)...(23)
 114 <223> OTHER INFORMATION: n=g, a, u, or c
 W--> 116 <400> 4
 W--> 117 nnnnnccucc agaucuagnn nnn 23
 119 <210> SEQ ID NO: 5
 120 <211> LENGTH: 13
 121 <212> TYPE: RNA
 122 <213> ORGANISM: Artificial Sequence
 124 <220> FEATURE:
 125 <223> OTHER INFORMATION: Chemically synthesized fragment 2; psoralentated
 RNA fragment
 W--> 128 <221> NAME/KEY: modified_base
 129 <222> LOCATION: (6)...(6)

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130 <223> OTHER INFORMATION: n=p
.W--> 132 <221> misc_feature
133 <222> LOCATION: (13)...(13)
134 <223> OTHER INFORMATION: psoralen bound to G
W--> 136 <400> 5
W--> 137 cuagancugg agg 13
139 <210> SEQ ID NO: 6
140 <211> LENGTH: 30
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: chemically synthesized fragment 3; modified tRNA;
146 thymine at residue 8 before pseudouridine
W--> 148 <221> NAME/KEY: modified_base
149 <222> LOCATION: (9)...(9)
150 <223> OTHER INFORMATION: n=p
W--> 152 <221> misc_feature
153 <222> LOCATION: (30)...(30)
154 <223> OTHER INFORMATION: n=puromycin
W--> 156 <400> 6
W--> 157 uccugugtnc gauccacaga auuucgcacn 30
159 <210> SEQ ID NO: 7
160 <211> LENGTH: 43
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Chemically synthesized fragment 2+3; modified
166 tRNA; thymine at residue 21 before pseudouridine
W--> 168 <221> NAME/KEY: modified_base
169 <222> LOCATION: (22)...(22)
170 <223> OTHER INFORMATION: n=p
W--> 172 <221> misc_feature
173 <222> LOCATION: (43)...(43)
174 <223> OTHER INFORMATION: n=puromycin
W--> 176 <221> modified_base
177 <222> LOCATION: (6)...(6)
178 <223> OTHER INFORMATION: n=p
W--> 180 <400> 7
W--> 181 cuagancugg aggucugug tncgauccac agaauucgca ccn 43
183 <210> SEQ ID NO: 8
184 <211> LENGTH: 33
185 <212> TYPE: RNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Chemically synthesized fragment 1
191 <400> SEQUENCE: 8
192 gcggauuuag cucaguuggg agagcgccag acu 33
194 <210> SEQ ID NO: 9
195 <211> LENGTH: 76

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196 <212> TYPE: DNA
 197 <213> ORGANISM: Artificial Sequence
 199 <220> FEATURE:
 200 <223> OTHER INFORMATION: Chemically synthesized fragment 1 + 2 + 3;
 201 modified tRNA; thymine at residue 54 before
 202 pseudouridine
 W--> 204 <221> NAME/KEY: modified_base
 205 <222> LOCATION: (39)...(39)
 206 <223> OTHER INFORMATION: n=p
 W--> 208 <221> modified_base
 209 <222> LOCATION: (55)...(55)
 210 <223> OTHER INFORMATION: n=p
 W--> 212 <221> misc_feature
 213 <222> LOCATION: (76)...(76)
 214 <223> OTHER INFORMATION: n=puromycin
 W--> 216 <221> misc_feature
 217 <222> LOCATION: (35)...(36)
 218 <223> OTHER INFORMATION: psoralen binding at UA position
 W--> 220 <400> 9
 W--> 221 gcggauuuag cucaguuggg agagcgccag acucuaganc uggagguccu gugtncgauc 60
 W--> 222 cacagaaauuc gcaccc 76
 224 <210> SEQ ID NO: 10
 225 <211> LENGTH: 32
 226 <212> TYPE: RNA
 227 <213> ORGANISM: Artificial Sequence
 229 <220> FEATURE:
 230 <223> OTHER INFORMATION: chemically synthesized fragment 1; 3' hydroxyl at
 231 terminus
 233 <400> SEQUENCE: 10
 234 gcggauuuag cucaguuggg agagcgccag ac 32
 236 <210> SEQ ID NO: 11
 237 <211> LENGTH: 8
 238 <212> TYPE: RNA
 239 <213> ORGANISM: Artificial Sequence
 241 <220> FEATURE:
 242 <223> OTHER INFORMATION: chemically synthesized fragment 2; psoralentated
 243 RNA
 W--> 245 <221> NAME/KEY: modified_base
 246 <222> LOCATION: (1)...(1)
 247 <223> OTHER INFORMATION: N=p
 W--> 249 <221> modified_base
 250 <222> LOCATION: (7)...(7)
 251 <223> OTHER INFORMATION: N=p
 W--> 253 <400> 11
 W--> 254 ncuaacnc 8
 256 <210> SEQ ID NO: 12
 257 <211> LENGTH: 36
 258 <212> TYPE: DNA
 259 <213> ORGANISM: Artificial Sequence

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261 <220> FEATURE:
 262 <223> OTHER INFORMATION: Mixed DNA/RNA chemically synthesized fragment 3
 W--> 264 <221> NAME/KEY: modified_base
 265 <222> LOCATION: (15)...(15)
 266 <223> OTHER INFORMATION: n=p
 W--> 268 <221> misc_feature
 269 <222> LOCATION: (36)...(36)
 270 <223> OTHER INFORMATION: n=puromycin
 W--> 272 <400> 12
 W--> 273 uggaggguccu gugtncgauc cacagaaauuc gcaccc 36
 275 <210> SEQ ID NO: 13
 276 <211> LENGTH: 18
 277 <212> TYPE: RNA
 278 <213> ORGANISM: Artificial Sequence
 280 <220> FEATURE:
 281 <223> OTHER INFORMATION: chemically synthesized modified RNA fragment
 W--> 283 <221> NAME/KEY: modified_base
 284 <222> LOCATION: (4)...(4)
 285 <223> OTHER INFORMATION: n=p
 W--> 287 <221> modified_base
 288 <222> LOCATION: (11)...(12)
 289 <223> OTHER INFORMATION: n=p
 W--> 291 <400> 13
 W--> 292 cccnccagag nnagaccc 18
 294 <210> SEQ ID NO: 14
 295 <211> LENGTH: 14
 296 <212> TYPE: RNA
 297 <213> ORGANISM: Artificial Sequence
 299 <220> FEATURE:
 300 <223> OTHER INFORMATION: chemically synthesized fragment 2
 W--> 302 <221> NAME/KEY: modified_base
 303 <222> LOCATION: (7)...(7)
 304 <223> OTHER INFORMATION: n=p
 W--> 306 <221> modified_base
 307 <222> LOCATION: (9)...(9)
 308 <223> OTHER INFORMATION: n=p
 W--> 310 <400> 14
 W--> 311 ucuaagncng gagg 14
 313 <210> SEQ ID NO: 15
 314 <211> LENGTH: 73
 315 <212> TYPE: DNA
 316 <213> ORGANISM: Artificial Sequence
 318 <220> FEATURE:
 319 <223> OTHER INFORMATION: chemically synthesized; mixed DNA/RNA; alternate
 320 psoralentated Fragment 1 + 2 + 3
 W--> 322 <221> NAME/KEY: modified_base
 323 <222> LOCATION: (32)...(32)
 324 <223> OTHER INFORMATION: N-3-methyl uridine
 W--> 326 <221> misc_feature

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6
Seq#:2; N Pos. 6
Seq#:3; N Pos. 1,2,3,4,5,19,20,21,22,23
Seq#:4; N Pos. 1,2,3,4,5,19,20,21,22,23
Seq#:5; N Pos. 6
Seq#:6; N Pos. 9,30
Seq#:7; N Pos. 6,22,43
Seq#:9; N Pos. 39,55,76
Seq#:11; N Pos. 1,7
Seq#:12; N Pos. 15,36
Seq#:13; N Pos. 4,11,12
Seq#:14; N Pos. 7,9
Seq#:15; N Pos. 3,40,42,73
Seq#:17; N Pos. 1,7
Seq#:18; N Pos. 15,36
Seq#:19; N Pos. 9,10,11
Seq#:28; N Pos. 33,34
Seq#:30; N Pos. 1,2,3,4,5,6,9,10,11,15,16,17,18,19,20,21
Seq#:31; N Pos. 15,36
Seq#:32; N Pos. 15
Seq#:33; N Pos. 32,39,41,72

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Input Set : A:\Seqlist.txt
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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
 L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:49 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:53 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
 L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
 L:65 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:69 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
 L:73 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
 L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
 L:85 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:89 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
 L:93 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
 L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
 L:104 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:108 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
 L:112 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
 L:116 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
 L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
 L:128 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:132 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
 L:136 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
 L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
 L:148 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:152 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
 L:156 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
 L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
 L:168 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:172 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
 L:176 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
 L:180 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
 L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
 L:204 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:208 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
 L:212 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
 L:216 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
 L:220 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
 L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
 L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:60
 L:245 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:249 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
 L:253 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
 L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
 L:264 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:268 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
 L:272 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
 L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
 L:283 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:287 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13

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L:291 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
 L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
 L:302 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:306 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
 L:310 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
 L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
 L:322 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:326 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
 L:330 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
 L:334 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
 L:338 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
 L:342 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
 L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
 L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:60
 L:367 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:371 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
 L:375 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
 L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
 L:386 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:390 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
 L:394 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
 L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
 L:405 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:409 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
 L:410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
 L:442 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:446 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
 L:457 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:461 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
 L:472 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:476 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
 L:480 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
 L:491 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:495 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
 L:499 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
 L:503 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
 L:514 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:518 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
 L:541 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:545 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
 L:549 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
 L:553 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
 L:554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
 L:578 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:582 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
 L:586 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
 L:590 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
 L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
 L:601 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

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L:605 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:31
L:609 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:31
L:613 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:31
L:617 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:31
L:618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:628 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:632 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32
L:636 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32
L:640 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32
L:644 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32
L:645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:656 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:660 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33
L:664 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33
L:668 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33
L:672 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33
L:676 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33
L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60